



Furnace with Structure & Coil Cradle Assembly



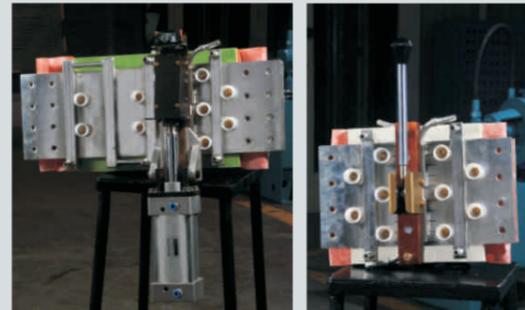
D.M. Unit



Capacitor Rack



Capacitor cut off Switch



Change over Switch (Pneumatic & Manual)



GENUINE Spare Parts

*From the house of world class Induction Melting
Furnace Manufacture*

- Maximum Compatibility with equipment design as we keep records of all equipment manufactured by us
- Double tested spare parts.
- Minimum risk of failure
- Minimum down time



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ELECTROTHERM

The Leader in Steel Melt Shop and Foundry Technology

CONTROL PCB CARDS

A printed circuit board, or PCB, is used to mechanically support and electrically connect electronic components using conductive pathways, tracks or signal traces etched from copper sheets laminated onto a non-conductive substrate.

PCB ET-SL, PCB ET-ITC, PCB ET-133-2/3,
PCB ET-SP-07/08, PCB ET-77, PCB ET-WCEL,
PCB ET-RLY-05/08, PCB ET-SC, PCB ET-CSF



CONTROL TRANSFORMERS

A control transformer is generally used in an electronic circuit that requires constant voltage or constant current with a low power or volt-amp rating.

T-55 A/B, T-68/A, T-17/17A, T-9F

POWER COMPONENTS

Converter Thyristor
Inverter thyristor
Free wheel diode



FUSES

HRC FUSE
CONTROL FUSE

WATER COOLED CABLE

High current carrying conductor made of electrolytic grade copper wires used to transfer current from Induction panel to induction coil. Multiple copper wires are bundled inside high quality carbon free rubber hose which is often silicon coated and have copper lugs at both ends. The assembly is having the path at both end the water is circulated from one end to other to keep it cool as well as current is also passing through it from one end to other. Generally it is normally used in Steel plants and induction furnaces.



MF CAPACITORS

Medium Frequency Water Cooled Capacitors low loss with high dielectric strength. The impregnate is non-PCB (non-polluting and non-toxic) Dielectric oil. External case is generally aluminium. Medium Frequency Water Cooled Capacitors are use for induction Melting Furnace, Billet Heating, Forging and Induction Heating Equipments.



SNUBBER CAPACITOR and RESISTOR

A simple snubber comprising a small resistor (R) in series with a small capacitor (C) is often used. This combination can be used to suppress the rapid rise in voltage across a thyristor, preventing the erroneous turn-on of the thyristor. It is used in induction panel as protection circuit for power components.



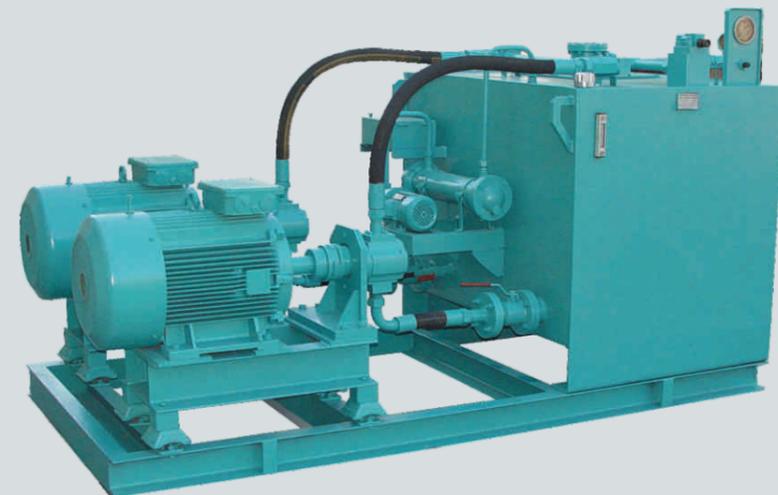
Ready- to -fit induction coil

Electrotherm's induction furnace coil is made of electrolytic grade extruded copper in rectangular sections having high wall thickness and integrated passage for water flow.

- Special paint insulation
- High grade spacers
- Stainless steel top and bottom cooling turn

TOP & BOTTOM REFRACTORY BLOCK

The top & bottom Refractory lock made out of refractory cement are and high alumina blocks which give longer life than made out of only castable material.



HYDRAULICS

Direction control valves
Hydraulic gear pumps
Hydraulic cylinder